

Composite metallic foam catalyst layered structure for high throughput methanol reformer

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Abstract of DE19534433

Novel layered structure is used to carry the catalyst of a methanol reformer reactor. It has a novel compressed metal foam substrate layer (1), into the pores of which, the catalyst is fixed. Also claimed is a method to make the catalyst layer structure described, in which a graded catalyst powder conforming to the pore size, is introduced into the foam. The substrate is then consolidated, using a rolling mill unit. Pref. on one side of the substrate, a layer (2) of copper powder is applied, and/or a surface structure (3) is embossed.

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